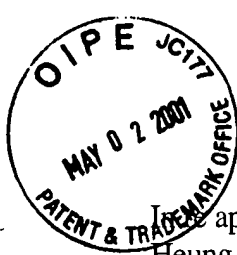


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RS

8-30-01



PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of
Heung-bae LEE

Appln. No.: 09/738,900

Confirmation No. NOT YET ASSIGNED

Group Art Unit: NOT YET ASSIGNED

Filed: December 18, 2000

Examiner: NOT YET ASSIGNED

For: DIRECT-CONVERSION DEMODULATOR HAVING AUTOMATIC-GAIN-CONTROL
FUNCTION

PRELIMINARY AMENDMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Prior to examination, please amend the above-identified application as follows:

IN THE CLAIMS:

Please enter the following amended claims:

1. (Amended) A direct-conversion demodulator in a RF reception system for radio communication comprising:
 - a down mixer for mixing a received RF signal and carrier signals, and thereby converting the RF signal into baseband signals of channels I and Q;
 - a filter for filtering high-frequency components of the baseband signals of the two channels output from the down mixer;
 - a detector for detecting a gain control level corresponding to the difference obtained by comparing the levels of the baseband signals of the two channels output by the filter with a predetermined level;

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